

Contents of Volume 223, 1982

No. 1 issued on February 22, 1982

B.Ph.M. Menco, F.M. van der Wolk: Freeze-fracture characteristics of insect gustatory and olfactory sensilla I. A comparison with vertebrate olfactory receptor cells with special reference to ciliary components	1
E. Eguchi: Retinular fine structure in compound eyes of diurnal and nocturnal sphingid moths	29
E.M. Leise, R.A. Cloney: Chiton integument: Ultrastructure of the sensory hairs of <i>Mopalia muscosa</i> (Mollusca: Polyplacophora)	43
M.F. Franzoni, A. Fasolo: The hypothalamus of <i>Lacerta sicula</i> R. I. A Golgi study on the caudal hypothalamus	61
K. Unsicker, W. Ziegler: Dibutyrylic cyclic AMP and theophylline inhibit proliferation of accessory cells in primary cultures of adrenomedullary cells	73
J. Nilsson, J. Thyberg: Fine structure of arterial smooth muscle cells cultured in the presence of whole blood serum or plasma-derived serum	87
J.H. Walker, R.T. Jones, J. Obrocki, G.P. Richardson, H. Stadler: Presynaptic plasma membranes and synaptic vesicles of cholinergic nerve endings demonstrated by means of specific antisera	101
R.T. Jones, J.H. Walker, H. Stadler, V.P. Whittaker: Immunohistochemical localization of a synaptic-vesicle antigen in a cholinergic neuron under conditions of stimulation and rest	117
B.S. Weakley, J.L. James: Differentiation of endoplasmic reticulum in the developing oocyte of the golden hamster (<i>Mesocricetus auratus</i>)	127
S. Holmgren, C. Vaillant, R. Dimaline: VIP-, substance P-, gastrin/CCK-, bombesin-, somatostatin- and glucagon-like immunoreactivities in the gut of the rainbow trout, <i>Salmo gairdneri</i>	141
M. Krasovich, B. Benson: A study of the relationship between photoperiod and pineal-oocyte granulated vesicles in the golden Syrian hamster	155
C.P. Sibley, K.F. Bauman, J.A. Firth: Permeability of the foetal capillary endothelium of the guinea-pig placenta to haem proteins of various molecular sizes	165
T.M. Newman, I.R. Duce: Membrane specialisation of the extra-junctional sarcolemma of normal and denervated insect muscle	179
J. Rassat, H. Robenek, H. Themann: Alterations of tight and gap junctions in mouse hepatocytes following administration of colchicine	187
A.M. de Leeuw, R.J. Barelds, R. de Zanger, D.L. Knook: Primary cultures of endothelial cells of the rat liver. A model for ultrastructural and functional studies	201
I.L.G. Brasileiro, A. Haddad, G. Pelletier: Glycoprotein synthesis and migration in beta cells of the islets of Langerhans as shown by quantitative light- and electron-microscopic radioautography	217
Short Communication	
S. Syed Ali, H. Weber: Vascular pattern in the pancreas of the cat	231

No. 2 issued on March 23, 1982

W.D. Peek, C.K. Govind: Arrays of particles in the sarcolemma of the distal accessory flexor muscle of the lobster	235
H. Mishima, M. Sears, L. Bausher, D. Gregory: Ultracytochemistry of cholera-toxin binding sites in ciliary processes	241

J.H. Youson: Replication of basal bodies and ciliogenesis in a ciliated epithelium of the lamprey	255
E. Winterhager, H. Stieve: Effect of hyper- and hyposmotic solutions on the structure of the <i>Astacus</i> retina. A transmission electron-microscopic study	267
C.R. Murphy, J.G. Swift, T.M. Mukherjee, A.W. Rogers: The structure of tight junctions between uterine luminal epithelial cells at different stages of pregnancy in the rat	281
S. Blähsner, M. Heinrichs, S. Tasch: Immunoreactive neuropeptide systems in avian embryos (domestic mallard, domestic fowl, Japanese quail)	287
Ch. Weber, C.L. Singla, P.A.H. Kerfoot: Microanatomy of the subumbrellar motor innervation in <i>Aglantha digitale</i> (Hydromedusae: Trachylina)	305
K. Fukuyama, O. Ohtani, T. Hibino, W.L. Epstein: Cellular localization of thiol-proteinase inhibitor in the epidermis of the newborn rat	313
R.J. Kingsley, N. Watabe: Ultrastructural investigation of spicule formation in the gorgonian <i>Leptogorgia virgulata</i> (Lamarck) (Coelenterata: Gorgonacea)	325
A. Wiersbowski, V. Grouls, B. Helpap, G. Klingmüller: Electron-microscopic study of the development of the periarteriolar zone in splenic white pulp of rats	335
L. Zylberberg, G. Nicolas: Ultrastructure of scales in a teleost (<i>Carassius auratus</i> L.) after use of rapid freeze-fixation and freeze-substitution	349
H.A.R. Fritsch, S. Van Noorden, A.G.E. Pearse: Gastro-intestinal and neurohormonal peptides in the alimentary tract and cerebral complex of <i>Ciona intestinalis</i> (Ascidaceae). Their relevance to the evolution of the diffuse neuroendocrine system	369
A.F. Rowley: Ultrastructural and cytochemical studies on the blood cells of the sea squirt, <i>Ciona intestinalis</i> . I. Stem cells and amoebocytes	403
M. Roux, A. Bartke, F. Dumont, M.P. Dubois: Immunohistological study of the anterior pituitary gland – pars distalis and pars intermedia – in dwarf mice	415
S.C. Nickerson, R.M. Akers, B.T. Weinland: Cytoplasmic organization and quantitation of microtubules in bovine mammary epithelial cells during lactation and involution	421
W.J.R. Lanzing, R.G. Wright: The ultrastructure of the eye of the mosquitofish <i>Gambusia affinis</i>	431
R.T. Gemmell, G.J. Little: The structure of the lung of the newborn marsupial bandicoot, <i>Isodon macrourus</i>	445
G. Kolde, H. Themann: Subsurface cisterns and lamellar bodies in the granule cells of the guinea-pig fascia dentata	455
Short Communication	
J.J. Vanderhaeghen, C. Deschepper, F. Lotstra, G. Vierendeels, J. Schoenen: Immunohistochemical evidence for cholecystokinin-like peptides in neuronal cell bodies of the rat spinal cord	463
 No. 3 issued on April 23, 1982	
P. Somogyi, J.V. Priestley, A.C. Cuello, A.D. Smith, J.P. Bolam: Synaptic connections of substance P-immunoreactive nerve terminals in the substantia nigra of the rat. A correlated light- and electron-microscopic study	469
S.G. Waxman, M.J. Anderson: Retrograde axon reaction following section of asynaptic nerve fibers	487
Y. Murabe, Y. Sano: Morphological studies on neuroglia. V. Microglial cells in the cerebral cortex of the rat, with special reference to their possible involvement in synaptic function	493
J. Metuzals, D.F. Clapin, G.D. Chapman: Axial and radial filamentous components of the neuro-filamentous network	507
J. Miyagawa, K. Ishimura, H. Fujita: Fine structural studies on the reabsorption of colloid and fusion of colloid droplets in thyroid glands of TSH-treated mice	519
M.E. Stoeckel, A. Porte, M.J. Klein, A.C. Cuello: Immunocytochemical localization of substance P in the neurohypophysis and hypothalamus of the mouse compared with the distribution of other neuropeptides	533

C.D. Dijkstra, N.J. van Tilburg, E.A. Döpp: Ontogenetic aspects of immune-complex trapping in the spleen and popliteal lymph nodes of the rat	545
A.D. Blest, S. Stowe, W. Eddey: A labile, Ca^{2+} -dependent cytoskeleton in rhabdomeral microvilli of blowflies	553
F. Michetti, D. Cocchia: S-100-like immunoreactivity in a planarian. An immunochemical and immunocytochemical study	575
R.A. Patzner, G. Erhart, H. Adam: Cell types in the adenohypophysis of the hagfish, <i>Myxine glutinosa</i> (Cyclostomata)	583
H. Keino: Enzyme histochemical studies on acid phosphatase in the cerebellum of young Gunn rats	593
A. Schiller, R. Taugner: Heterogeneity of tight junctions along the collecting duct in the renal medulla. A freeze-fracture study in rat and rabbit	603
E.A. Breisch: Myocardial lysosomes in pressure-overload hypertrophy	615
M. Perrot-Appianat, J.F. David-Ferreira: Immunocytochemical localization of progesterone-binding protein (PBP) in guinea-pig placental tissue	627
G. Schmitt, M.E. Stoeckel, M.J. Klein, A. Porte: Effects of experimental hypo- or hypernatremia on the fine structure of the pars intermedia of the murine pituitary. A morphometric study	641
T. Tachibana, Y. Sakakura, K. Ishizeki, S. Iida, T. Nawa: Migration of Merkel cells in the labial mucous epithelium of adult rabbits following mental nerve resection	659
L. Curatolo, C. Chaponnier, M.B. Donati, L. Morasca, G. Gabbiani: Actin organization and fibrin-clot retractile activity of cultured mouse fibroblasts	665
R.B. Goldberg: Analysis of rat adrenal cells in primary culture separated by velocity sedimentation	675
R. Cumming, T.A. Reaves, Jr., J.N. Hayward: Ultrastructural immunocytochemical characterization of isotocin, vasotocin and neurophysin neurons in the magnocellular preoptic nucleus of the goldfish	685
Short Communication	
D.T. Piekut: Postnatal appearance of luteinizing hormone-releasing hormone (LHRH)-like material in the pineal gland of the rat	695
Indexed in Current Contents	